



Test Report					Date of issue:						
Customer:					Serial No.:						
					Order No.:						
Customer ref.:					Type: M3BP 90LB 4						
					Product Code: 3GBP092520-_DL						
					Tag no:						
Rating:					V	Hz	kW	r/min	A	cos φ	Duty
3~Motor					400	D	50	1,5	1454	2,99	0,81 S1
Insul.cl.F											
IP55											
Eff class IE3					IE3-85.3%(100%)-85.9%(75%)-85.2%(50%)						
Resistance					Insulation resistance at 35 °C				Overload		
Line					52000 MΩ 1000 V						
U ₁ - V ₁					Ambient: 22 °C						
U ₁ - W ₁					5,35200 Ω						
V ₁ - W ₁					5,35700 Ω						
					5,34700 Ω						
					High-voltage test winding 2900 V				1 s		
Test	Torque [Nm]	Line U[V]	f[Hz]	Input I[A]	P1 [kW]	Output P2 [kW]	n[r/min]	cos φ	η [%]		
No load test		400,0 D	50	2,04	0,12		1498	0,09			
Locked rotor test		56,6 D	50	2,99	0,17		0	0,59			
Thermal test (100% load)	9,9	400,0 D	50	3,29	1,75	1,50	1445	0,77	85,8		
Partial load points:											
~75% load	7,4	400,1 D	50	2,79	1,32	1,12	1461	0,68	85,5		
~50% load	4,9	400,0 D	50	2,39	0,90	0,75	1474	0,54	83,1		
~25% load	2,5	400,0 D	50	2,13	0,51	0,37	1488	0,34	74,2		
Temperature rise at rated load.					°C	K	Method	Measurement method			
Stator winding :					30	1	1 Resistance				
Frame :					17	2	2 Thermometer				
Bearing D-end :					17	2	3 Thermocouples				
Rotor:					34	3					
Ambient Temperature :					25	2					
These tests have been carried out, date 12.10.2013, the test B, on motor no 3GF13169406, which is identical in design with the above.											
Manufactured and tested in accordance with rules of IEC 60034-1 and IEC 60034-2-1. PLL determined from residual loss.											
On behalf of customer											
On behalf of manufacturer					Date of test		12.10.2013				
Tested by ABB Oy, Motors and Generators, Vaasa, Finland							Telephone	+358 10 2211			
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